

# **Bicycle and Pedestrian Safety Action Plan**


## **for the Broward Metropolitan Planning Organization**

Advocacy Team Meeting 1  
April 19<sup>th</sup>, 2016




*Bicycle & Pedestrian*  
**SAFETY ACTION PLAN**

# Agenda

- 
- Introductions
  - Plan Purpose, Scope and Schedule Overview
  - Advocacy Team Roles and Responsibilities
  - Confirm BPSAP Goals, Objectives, and Initial Performance Measures
  - Overview of Countywide Assessment Findings
  - Discussion and Confirmation Working Session on 5 Corridors/Subareas:
  - Next Steps

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# Purpose & Scope

- Broward-Miami Dade is the #4 Most Dangerous Place for Pedestrians in the Country
- Plan to Reduce Pedestrian and Cyclist Injuries and Fatalities at County Scale
- Provide Guidance on Investments for Safer, More Connected Multimodal Facilities
- Produce Implementable Solutions for Bicycle and Pedestrian Safety and Comfort

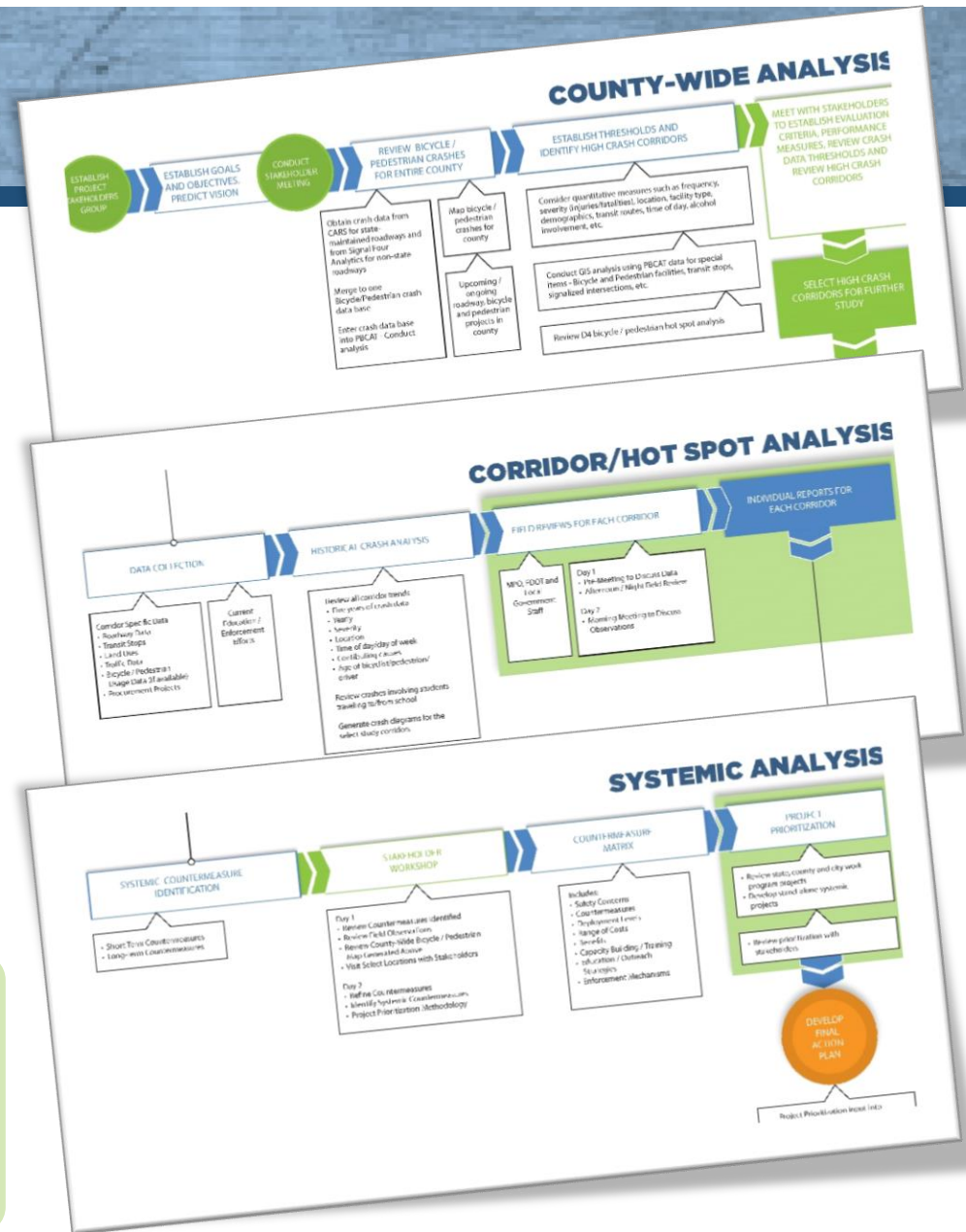
# BPSAP Approach

Tasks 1 - 7 Completed  
at Each Level

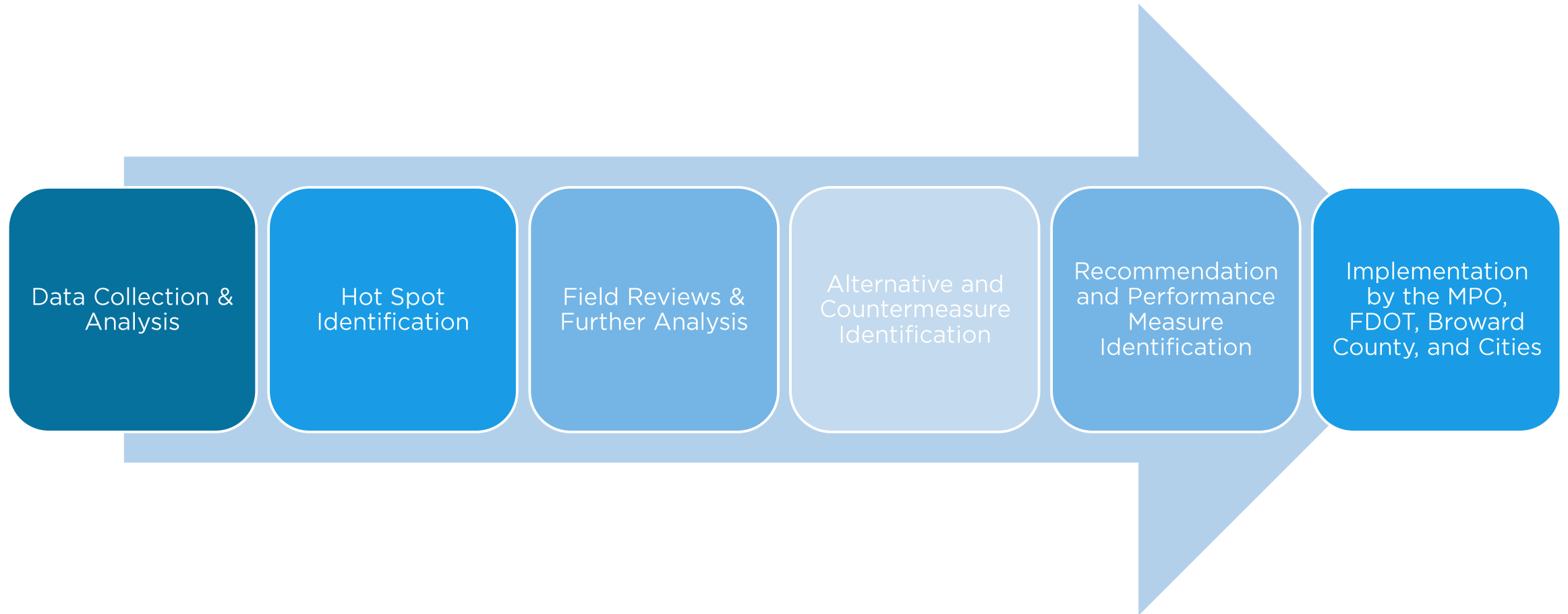
## County-Wide Analysis

## Corridor/Hot Spot Analysis

## Systemic Analysis



# Schedule



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# A-Team Responsibilities

- Be a champion of bicycle and pedestrian safety and the intended outcomes of the BPSAP
- Be a sales person on behalf of the BPSAP to funding partners
- Provide guidance and input throughout the project
- Be an advocate to get the word out and solicit input from others

# Stakeholder Group Meetings & Workshop

- 1** Establish goals; evaluation criteria and performance measures; review data analysis findings; and confirm high crash corridors
- 2** Field Reviews
- 3** Review corridor/field observations; Review short and long-term systematic countermeasures; Confirm prioritization and evaluation criteria
- 4** Approve countermeasures & implementation plan; Confirm performance measures

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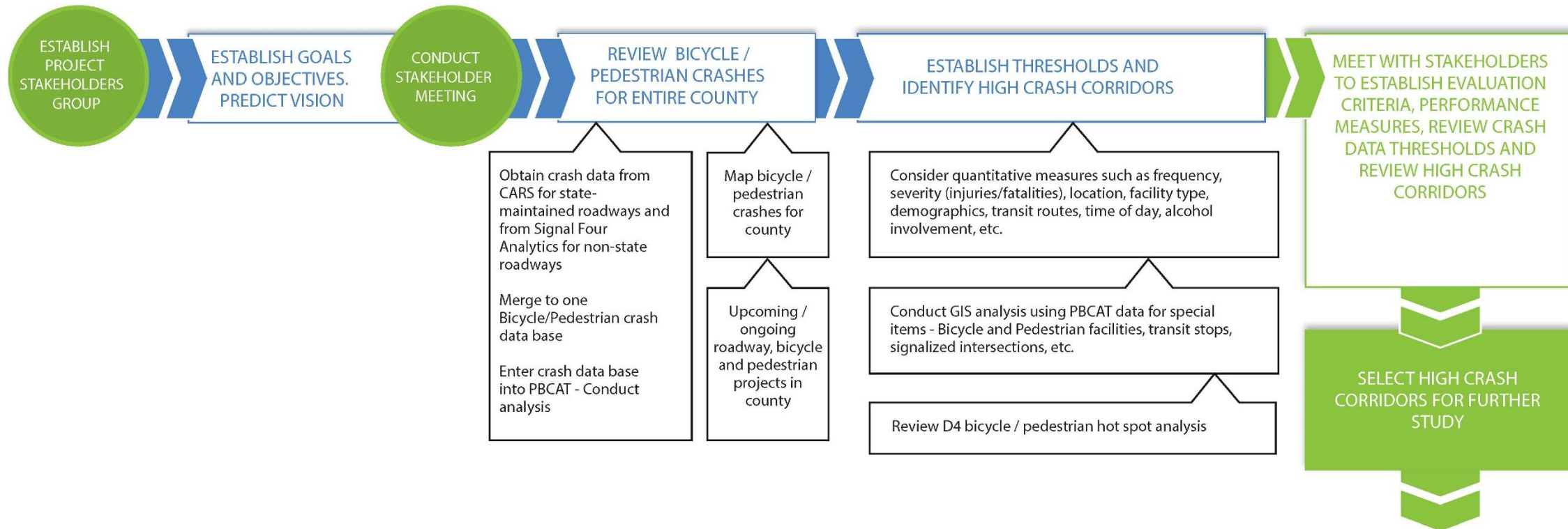
# Fill in Based on Survey Results

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# County-Wide Analysis

Tasks 1 - 7 Completed  
at Each Level



# Future Land Use

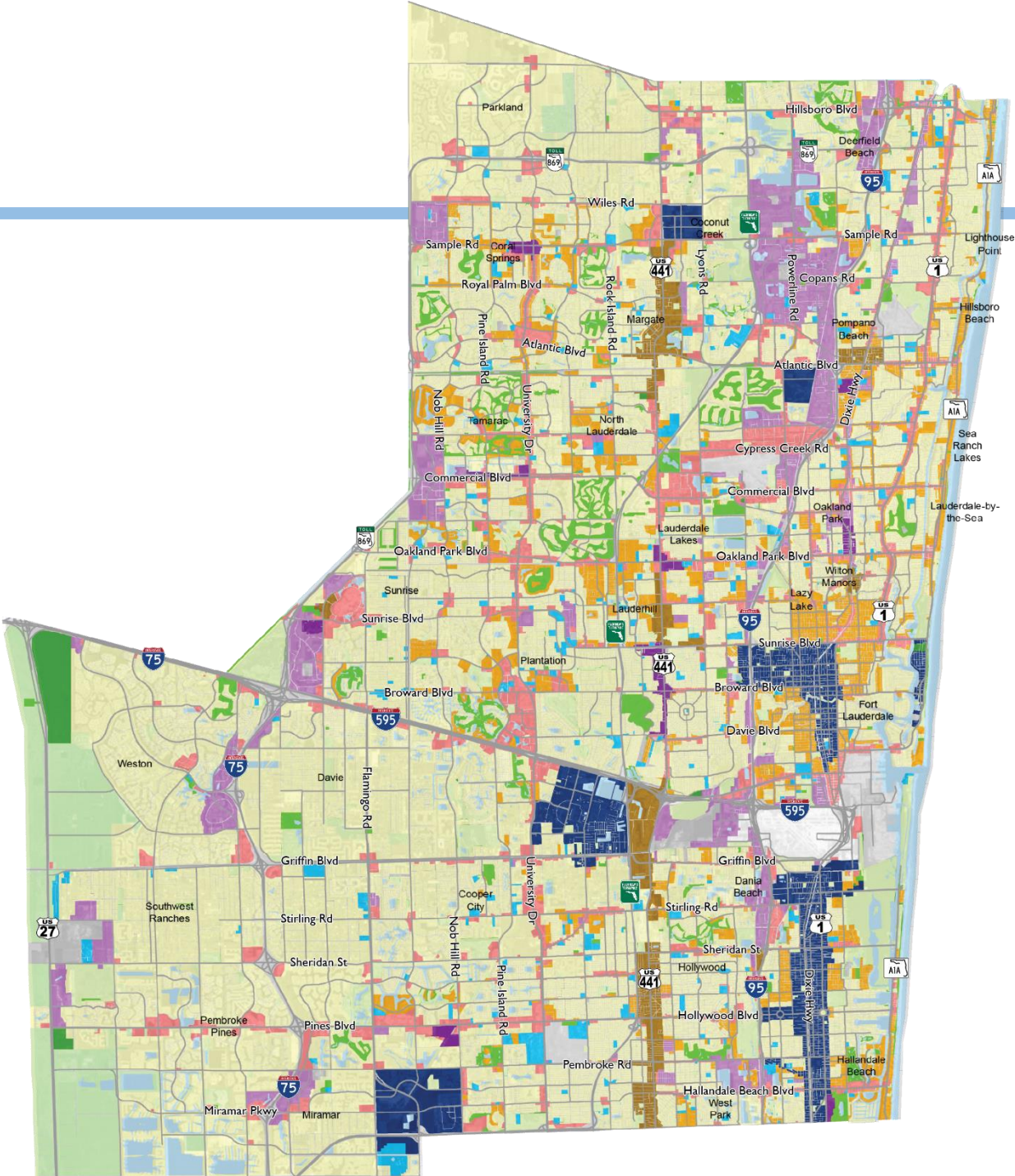
## LEGEND

### Future Land Use

- Conservation
- Recreation + Open Space
- Agricultural
- Low Density Residential
- High Density Residential
- Institutional
- Commercial
- Transit Oriented Corridor/Development
- Utilities
- Industrial
- Regional Activity Center
- Local Activity Center



Source: Broward County GIS, 2015





# Active Transportation Demand Score

- Population Density (persons per acre)
- Employment Density (number of employees per acre)
- Children (persons under 18 per acre)
- Elderly (persons over 65 per acre)
- Racial and Ethnic Minorities (racial and ethnic minorities per acre)
- Poverty Rate (persons with income below the federal poverty line per acre)
- Zero-Car Households (households without access to a car per acre)



# Active Transportation Demand

## LEGEND

 Activity Center/TOD

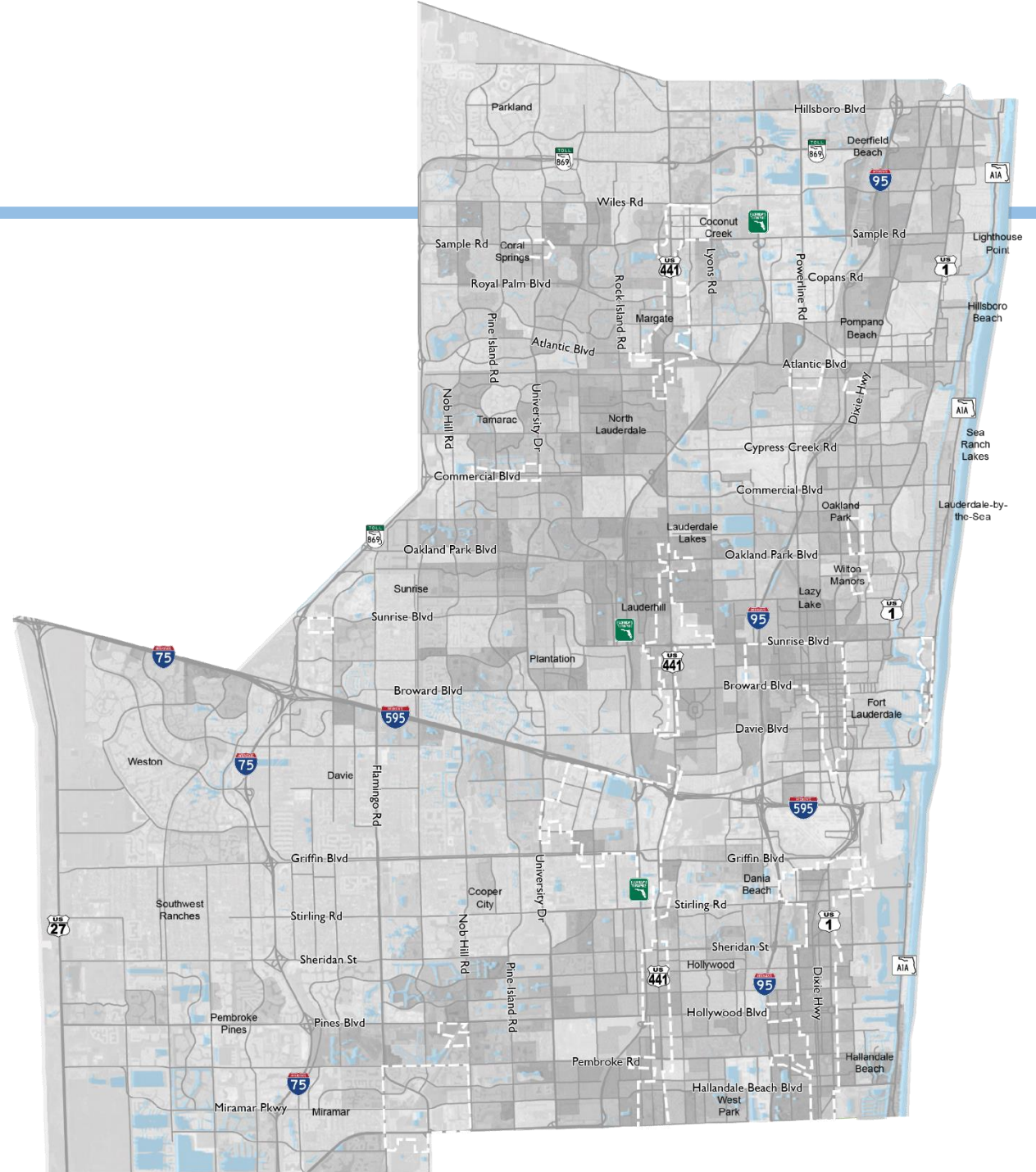
Propensity for Active Transportation

 High

 Low



Source: Census 2010-2014 5 year Estimates & Broward County GIS, 2015



# Transit Ridership

## LEGEND

 Activity Center/TOD

### Daily Transit Boardings and Alightings

 High

 Low

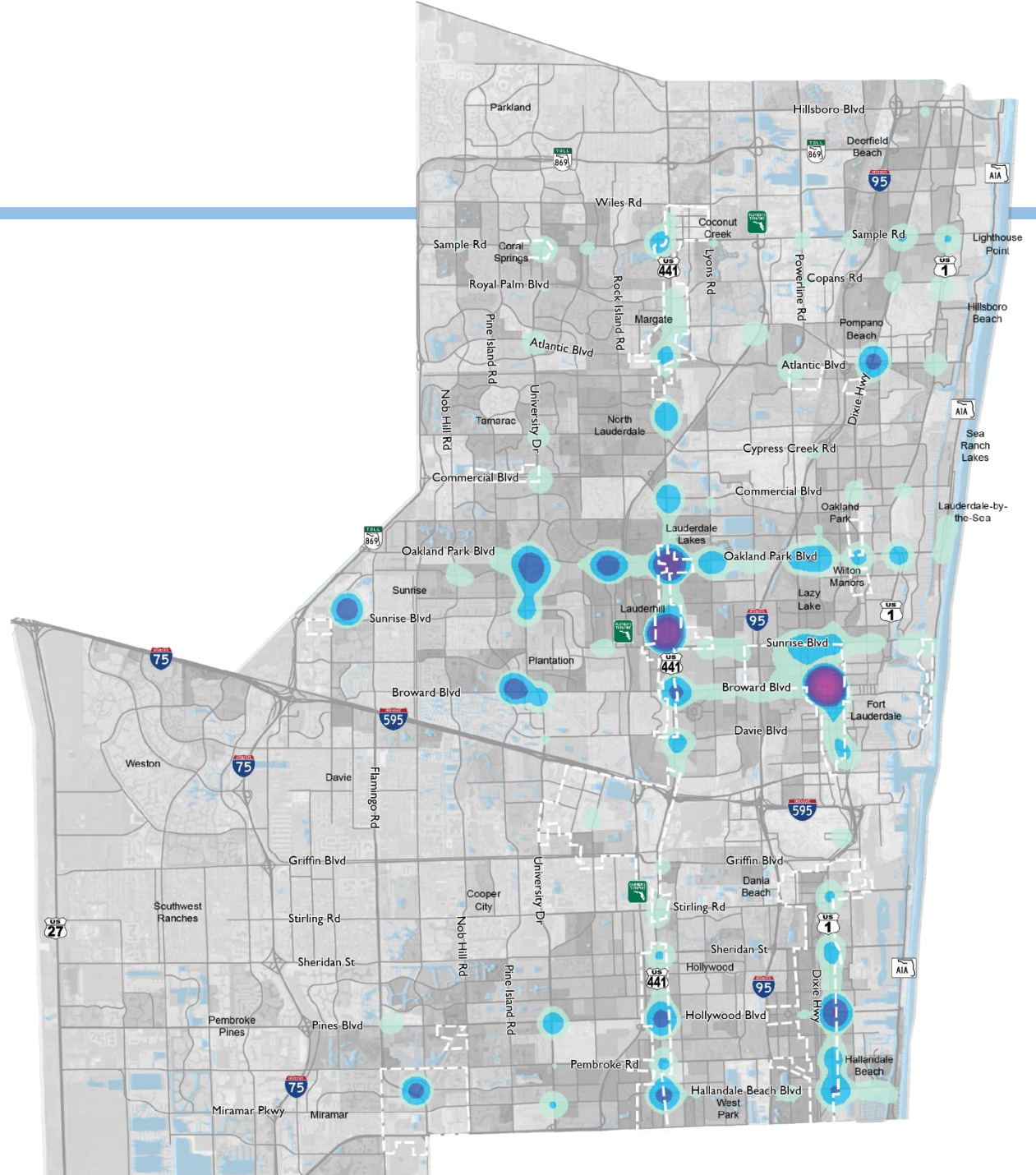
### Propensity for Active Transportation

 High

 Low



Source: Census 2010-2014 5 year Estimates; Broward County Transit, 2015; & Broward County GIS, 2015

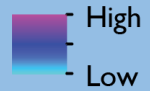


# Ped/Bike Fatalities & # of Lanes

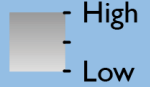
## LEGEND

- Pedestrian and Bicycle Fatalities
- 6 Lane Roadways
- Activity Center/TOD

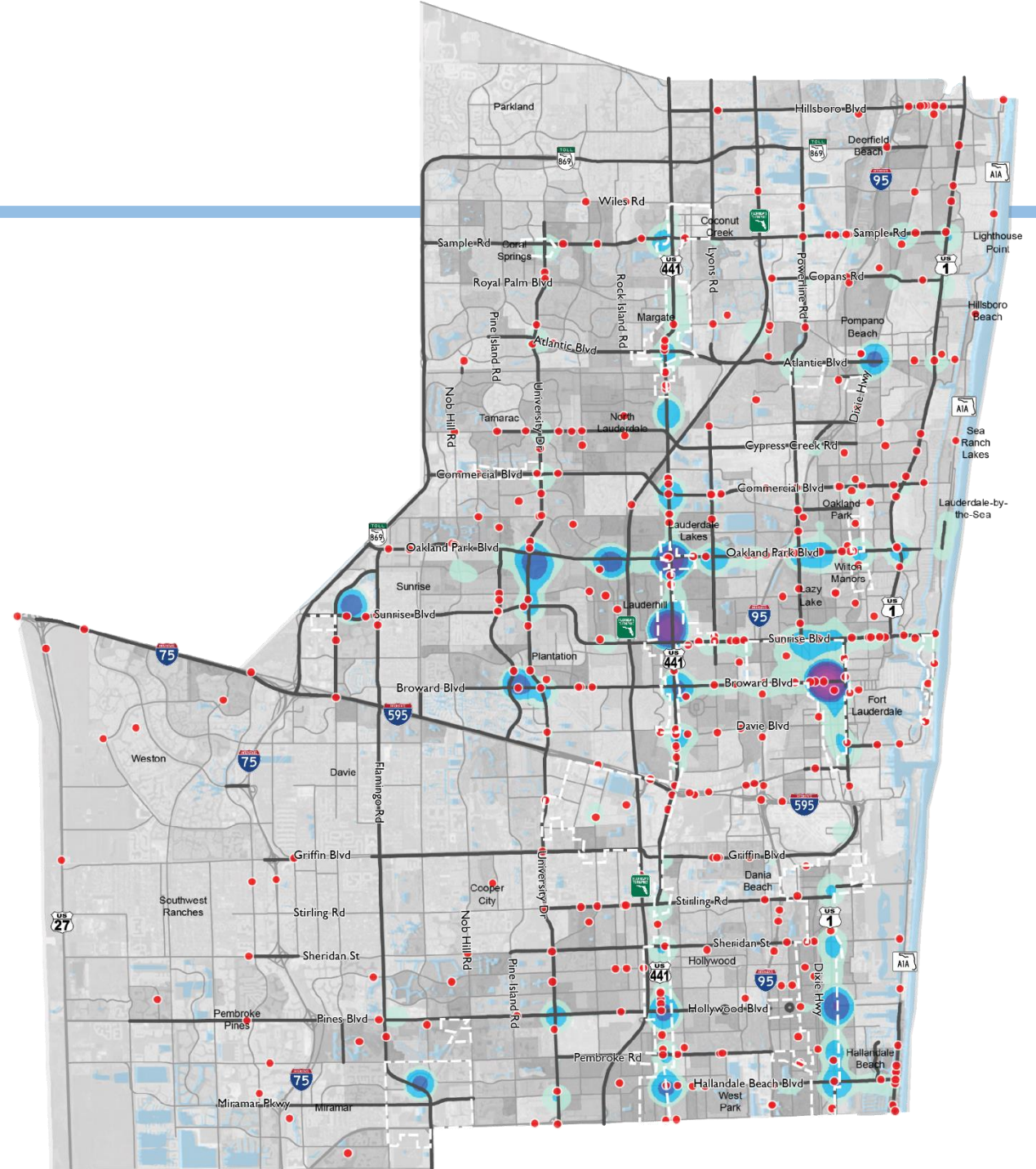
## Daily Transit Boardings and Alightings



## Propensity for Active Transportation



Source: Census 2010-2014 5 year Estimates; CARS 2010 - 2014 Crash Data; Signal Four 2010-2015 Crash Data; Broward County Transit, 2015; & Broward County GIS, 2015





# Pedestrian Crash Hot Spots


## LEGEND

 Activity Center/TOD

### Pedestrian Crash Hot Spots

 Very High (99% Confidence)

 High (95% Confidence)

 Medium High (90% Confidence)

### Daily Transit Boardings and Alightings

 High

 Low

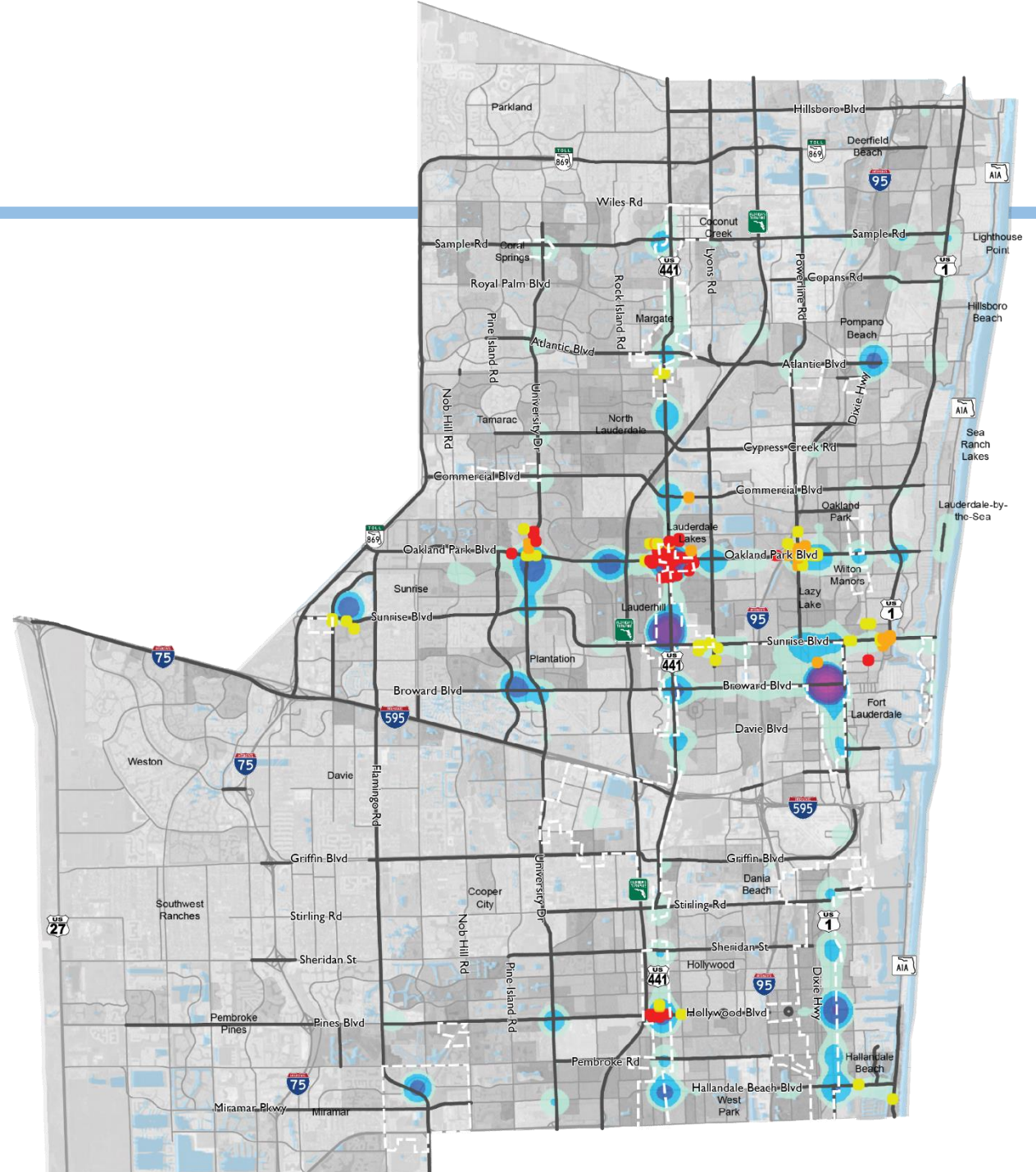
### Propensity for Active Transportation

 High

 Low



Source: Census 2010-2014 5 year Estimates; CARS 2010 - 2014  
Crash Data; Signal Four 2010-2015 Crash Data; Broward County  
Transit, 2015; & Broward County GIS, 2015






# Bicycle Crash Hot Spots



## LEGEND

 Activity Center/TOD



### Bicycle Crash Hot Spots

-  Very High (99% Confidence)
-  High (95% Confidence)
-  Medium High (90% Confidence)

### Daily Transit Boardings and Alightings

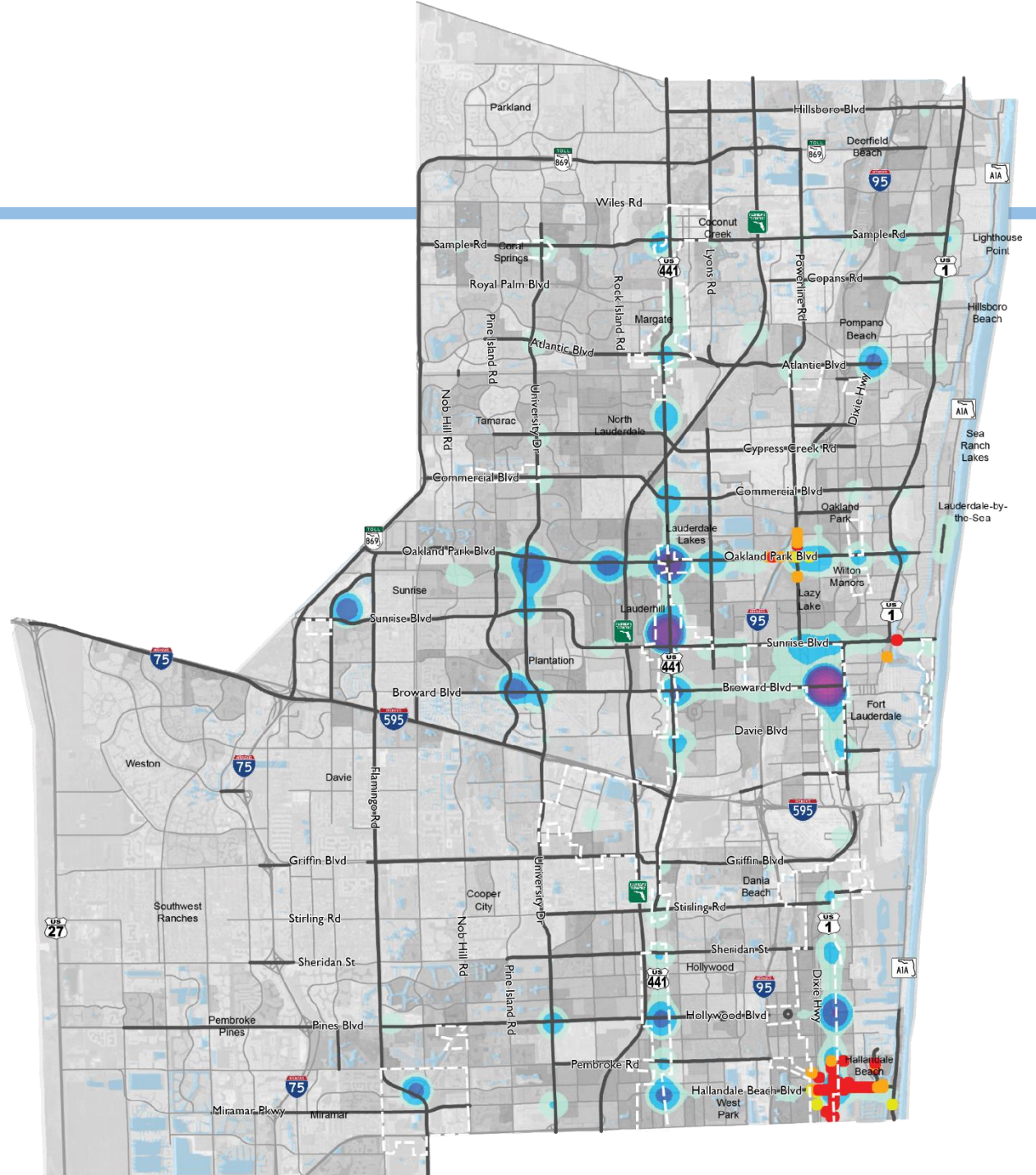
-  High
-  Low

### Propensity for Active Transportation

-  High
-  Low



Source: Census 2010-2014 5 year Estimates; CARS 2010 - 2014 Crash Data; Signal Four 2010-2015 Crash Data; Broward County Transit, 2015; & Broward County GIS, 2015






# Bicycle Crash Hot Spots



## LEGEND

 Activity Center/TOD



### Pedestrian & Bicycle Crash Hot Spots

-  Very High (99% Confidence)
-  High (95% Confidence)
-  Medium High (90% Confidence)

### Daily Transit Boardings and Alightings

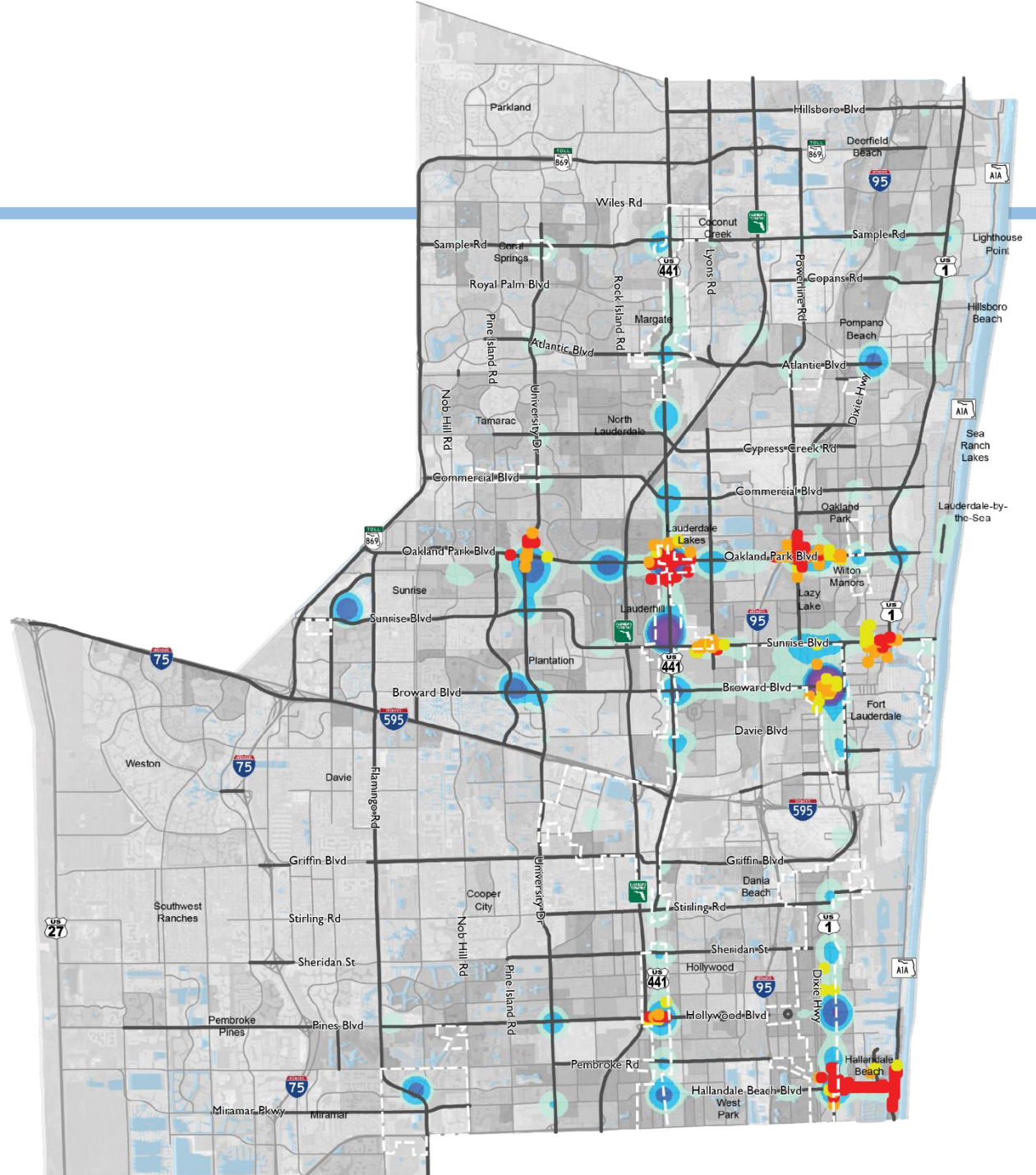
-  High
-  Low

### Propensity for Active Transportation

-  High
-  Low

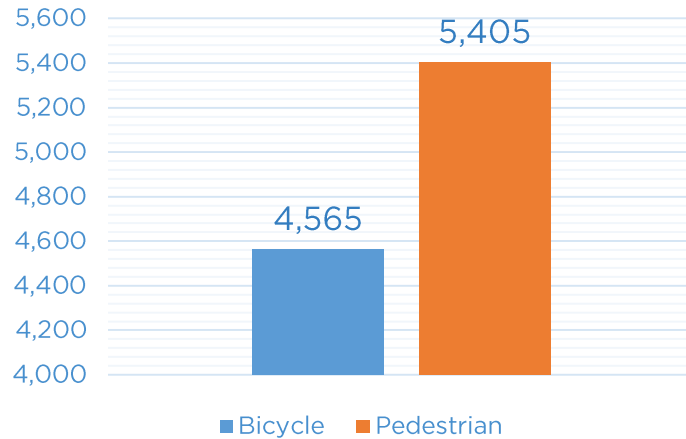


Source: Census 2010-2014 5 year Estimates; CARS 2010 - 2014 Crash Data; Signal Four 2010-2015 Crash Data; Broward County Transit, 2015; & Broward County GIS, 2015



# Crash Statistics

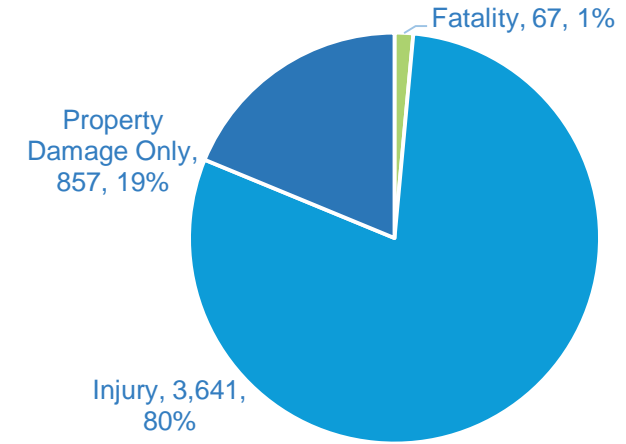
Bicycle and Pedestrian Crashes in Broward County, 2010-2015



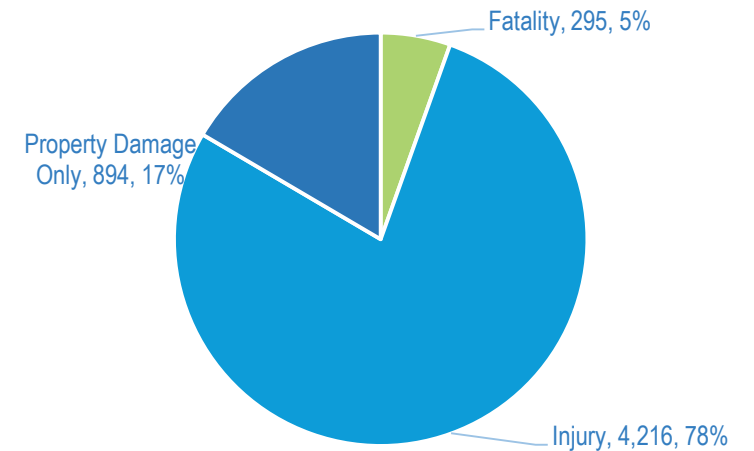
Economic Impact of Bicycle and Pedestrian Crashes, Broward County, 2010-2015 (in billions)



Bicycle Crashes in Broward County, 2010-2015

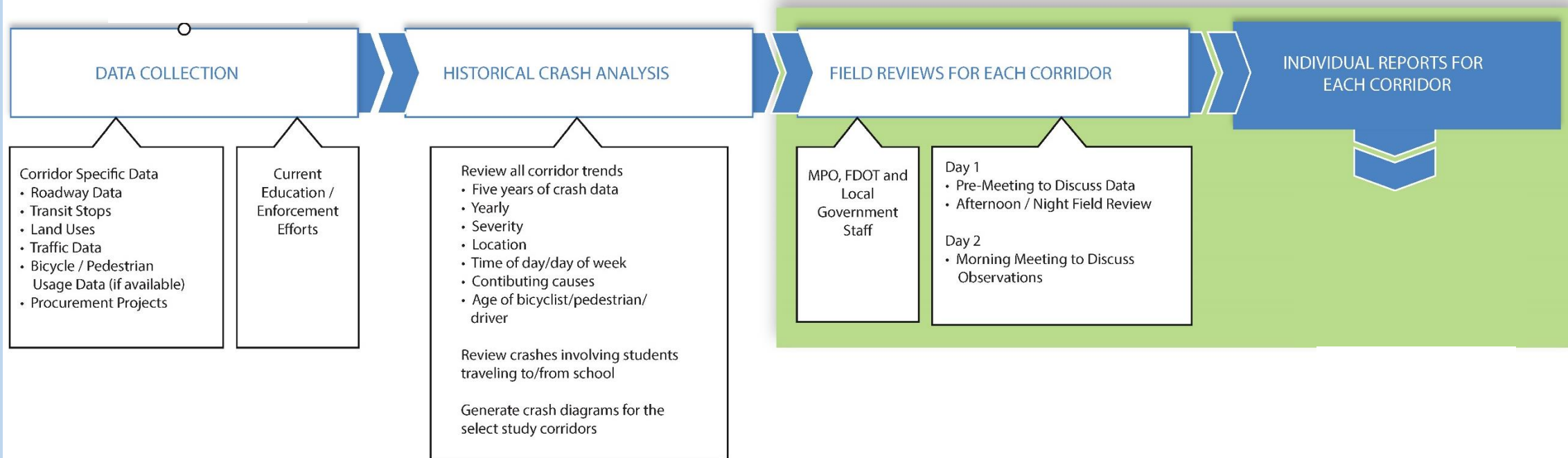


Pedestrian Crashes in Broward County, 2010-2015



# Corridor/Hot Spot Analysis

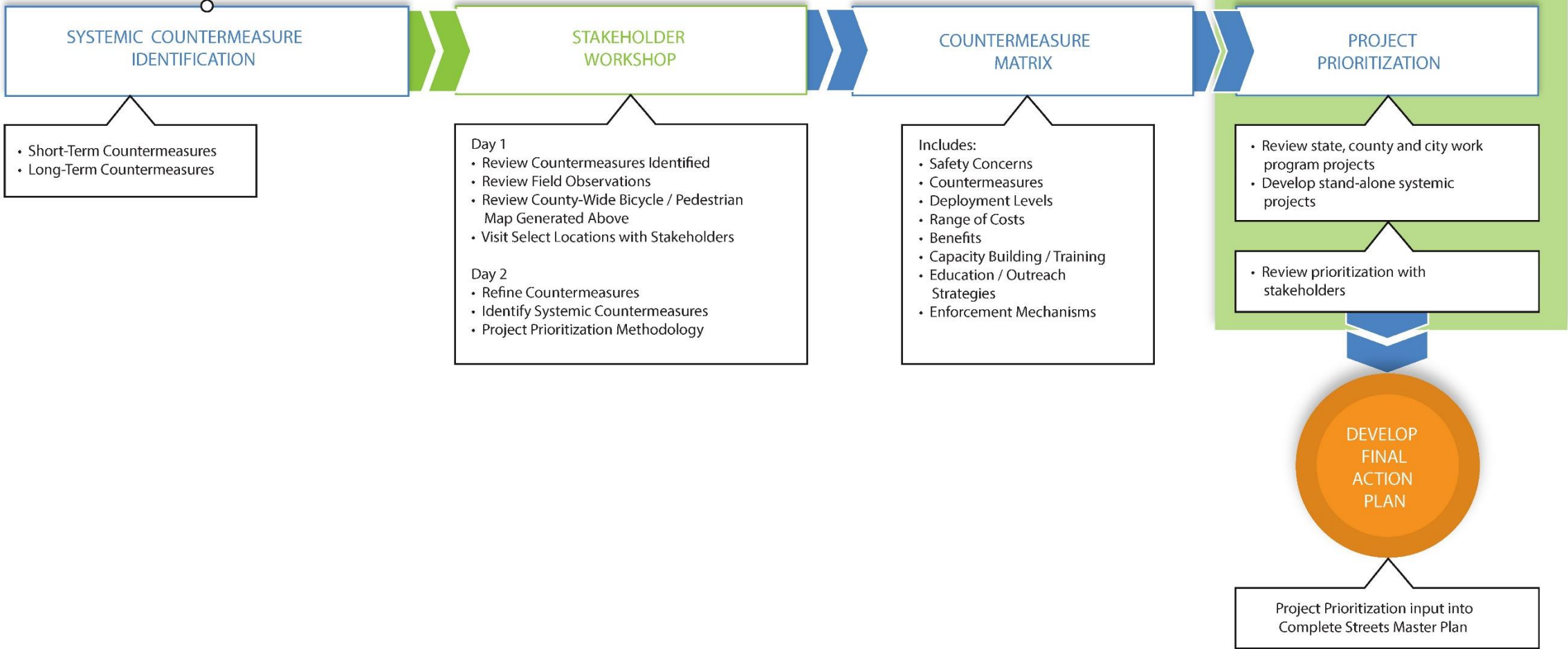
Tasks 1 - 7 Completed  
at Each Level





# Systemic Analysis

Tasks 1 - 7 Completed  
at Each Level



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# Top 10 Hot Spots

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## Pedestrian

- Hollywood Blvd from Florida's Turnpike to N 56<sup>th</sup> Avenue
- SR 7 from Walmart Shopping Center to Fillmore St
- SR 7 from NW 26<sup>th</sup> St to NW 37<sup>th</sup> ST
- Sunrise Blvd at Sawgrass Lake Center
- Sunrise Blvd from NW 34<sup>th</sup> Ave to NW 31<sup>st</sup> Ave
- Sunrise Blvd from NE 7<sup>th</sup> Ave to US 1
- Oakland Park Blvd from NW 84<sup>th</sup> Ave to Atrium West
- Oakland Park Blvd from CSX to Andrews Ave
- Oakland Park Blvd from NW 47<sup>th</sup> Terr to NW 45<sup>th</sup> Ave
- Sistrunk Blvd at NW 4<sup>th</sup> Ave

## Bicycle

- Hallandale Beach Blvd from SW 3rd Ave to SE 26th Ave
- US 1 from SE 9th St to NE 10th Ave
- NE 10th Ave at Atlantic Shores Blvd
- A1A at Hemispheres Condominium
- NW 3rd St at NE 1st Ave
- Sunrise Blvd at Middle River Dr
- NE 7th Street at NE 19th Ave
- Powerline Rd at NW 26th St
- Powerline Rd from Oakland Park Blvd to NW 39th St
- Oakland Park Blvd from NW 17th Terr to NW 3rd Ave

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